

**WHAT IS CLAIMED IS**

1. A mobile communication system comprising a mobile terminal unit, a radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for controlling transfer of signaling and second control means for accommodating said radio base station under the control and controlling transfer of user data, characterized by further comprising a radio base station replacement control apparatus which controls replacement of said radio base station.
2. A mobile communication system comprising a mobile terminal unit, a radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for performing control independent of a radio transmission scheme and second control means for accommodating said radio base station under the control and performing control depending on a radio transmission scheme, characterized by further comprising a radio base station replacement control apparatus which controls replacement of said radio base station.
3. A mobile communication system comprising a mobile terminal unit, a radio base station which communicates with said mobile terminal unit via a radio channel, and a radio

controller which controls said radio base station, and is physically separated into first control means for controlling transfer of signaling and second control means for accommodating said radio base station under the control and controlling transfer of user data, said second control means performing control depending on a radio transmission scheme, characterized by further comprising a radio base station replacement control apparatus which controls replacement of said radio base station.

4. A mobile communication system comprising a mobile terminal unit, a radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for controlling a terminal resource of said mobile terminal unit and second control means for accommodating said radio base station under the control and controlling a base station resource of said radio base station, characterized by further comprising a radio base station replacement control apparatus which controls replacement of said radio base station.

5. A mobile communication system according to any one of claims 1 to 4, characterized by further comprising a network which connects said first control means, second control means, and radio base station replacement control apparatus.

6. A mobile communication system according to any one of

claims 1 to 5, characterized in that said radio base station replacement control apparatus comprises means for notifying, in response to an external trigger, a radio base station as an object of replacement of identification information of second control means which is to newly accommodate said radio base station.

7. A mobile communication system according to claim 6, characterized in that said radio base station replacement control apparatus further comprises means for notifying said first control means of identification information of said radio base station as an object of replacement and identification information of said second control means as an accommodation destination.

8. A radio base station replacement control apparatus which controls replacement of a radio base station in a mobile communication system comprising a mobile terminal unit, said radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for controlling transfer of signaling and second control means for accommodating said radio base station under the control and controlling transfer of user data, characterized in that said first and second control means are physically independent of each other.

9. A radio base station replacement control apparatus which controls replacement of a radio base station in a

mobile communication system comprising a mobile terminal unit, said radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is  
5 physically separated into first control means for performing control independent of a radio transmission scheme and second control means for accommodating said radio base station under the control and performing control depending on a radio transmission scheme, characterized in  
10 that said first and second control means are physically independent of each other.

10. A radio base station replacement control apparatus which controls replacement of a radio base station in a mobile communication system comprising a mobile terminal  
15 unit, said radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for controlling transfer of signaling and second control means  
20 for accommodating said radio base station under the control and controlling transfer of user data, said second control means performing control depending on a radio transmission scheme, characterized in that said first and second control means are physically independent of each other.

25 11. A radio base station replacement control apparatus which controls replacement of a radio base station in a mobile communication system comprising a mobile terminal

unit, said radio base station which communicates with said mobile terminal unit via a radio channel, and a radio controller which controls said radio base station, and is physically separated into first control means for  
5 controlling a terminal resource of said mobile terminal unit and second control means for accommodating said radio base station under the control and controlling a base station resource of said radio base station, characterized in that said first and second control means are physically  
10 independent of each other.

12. A radio base station replacement control apparatus according to any one of claims 8 to 11, characterized in that said first and second control means are connected across a network.

15 13. A radio base station replacement control apparatus according to any one of claims 8 to 12, characterized by further comprising means for notifying, in response to an external trigger, a radio base station as an object of replacement of identification information of second control  
20 means which is to newly accommodate said radio base station.

14. A radio base station replacement control apparatus according to claim 13, characterized by further comprising means for notifying said first control means of identification information of said radio base station as an  
25 object of replacement and identification information of said second control means as an accommodation destination.

15. A radio base station replacement control method in a

communication system comprising a mobile terminal unit, a radio base station which communicates with the mobile terminal unit via a radio channel, a radio controller which controls the radio base station, and is physically  
5 separated into first control means for controlling transfer of signaling and second control means for accommodating the radio base station under the control and controlling transfer of user data, and a radio base station replacement control apparatus which is provided physically  
10 independently of the first and second control means and controls replacement of the radio base station, characterized by comprising the step of notifying, in response to an external trigger, a radio base station as an object of replacement of identification information of  
15 second control means which is to newly accommodate the radio base station.

16. A radio base station replacement control method according to claim 15, characterized by further comprising the step of notifying the first control means of  
20 identification information of the radio base station as an object of replacement and identification information of the second control means as an accommodation destination.

17. A program for causing a computer to execute a radio base station replacement control method in a communication  
25 system comprising a mobile terminal unit, a radio base station which communicates with the mobile terminal unit via a radio channel, a radio controller which controls the

radio base station, and is physically separated into first control means for controlling transfer of signaling and second control means for accommodating the radio base station under the control and controlling transfer of user data, and a radio base station replacement control apparatus which is provided physically independently of the first and second control means and controls replacement of the radio base station, characterized by comprising the step of notifying, in response to an external trigger, a radio base station as an object of replacement of identification information of second control means which is to newly accommodate the radio base station.

18. A program according to claim 17, characterized by further comprising the step of notifying the first control means of identification information of the radio base station as an object of replacement and identification information of the second control means as an accommodation destination.